



Keyword Abbreviations



KEYWORD	ABBREVIATION	TOKEN	KEYWORD	ABBREVIATION	TOKEN
ABS	A{shft B}	182	+	none	170
AND	A{shft N}	175	-	"	171
ASC	A{shft S}	198	*	"	172
ATN	A{shft T}	193	/	"	173
CHR\$	C{shft H}	199	↑	"	174
CLOSE	CL{shft O}	160	>	"	177
CLR	C{shft L}	156	=	"	178
CMD	C{shft M}	157	<	"	179
CONT	C{shft O}	154	π	"	255
COS	none	190			
DATA	D{shft A}	131			
DEF	D{shft E}	150			
DIM	D{shft I}	134			
END	E{shft N}	128			
EXP	E{shft X}	189			
FN	none	165			
FOR	F{shft O}	129			
FRE	F{shft R}	184			
GET	G{shft E}	161			
GET#	none	161			
GO	none	203			
GOSUB	GO{shft S}	141			
GOTO	G{shft O}	137			
IF	none	139			
INPUT	none	133			
INPUT#	I{shft N}	132			
INT	none	181			
LEFT\$	LE{shft F}	200			
LEN	none	195			
LET	L{shft E}	136			
LIST	L{shft I}	155			
LOAD	L{shft O}	147			
LOG	none	188			

Color Codes



COLOR 64	ASCII	POKE	COLOR 20
BLACK	144	0	BLACK
WHITE	5	1	WHITE
RED	28	2	RED
CYAN	159	3	CYAN
PURPLE	156	4	PURPLE
GREEN	30	5	GREEN
BLUE	31	6	BLUE
YELLOW	158	7	YELLOW
ORANGE	129	8	ORANGE
BROWN	149	9	Lt. ORANGE
Lt. RED	150	10	PINK
GRAY	151	11	Lt. CYAN
Med. GRAY	152	12	Lt. PURPLE
Lt. GREEN	153	13	Lt. GREEN
Lt. BLUE	154	14	Lt. BLUE
Lt. GRAY	155	15	Lt. YELLOW

C-64

Screen 53281 Border 53280 Text 646

MID\$	M{shft I}	202
NEW	none	162
NEXT	N{shft E}	130
NOT	N{shft O}	168
ON	none	145
OPEN	O{shft P}	159
OR	none	176
PEEK	P{shft E}	194
POKE	P{shft O}	151
POS	none	185
PRINT	?	153
PRINT#	P{shft R}	152
READ	R{shft E}	135
REM	none	143
RESTORE	RE{shft S}	140
RETURN	RE{shft T}	142
RIGHT\$	R{shft I}	201
RND	R{shft N}	187
RUN	R{shft U}	138
SAVE	S{shft A}	148
SGN	S{shft G}	180
SIN	S{shft I}	191
SPC(	S{shft P}	166
SQR	S{shft Q}	186
STATUS	ST	
STEP	ST{shft E}	169
STOP	S{shft T}	144
STR\$	ST{shft R}	196
SYS	S{shft Y}	158
TAB(	T{shft A}	163
TAN	none	192
THEN	T{shft H}	167
TIME	TI	
TIME\$	TI\$	
TO	none	164
USR	U{shft S}	183
VAL	V{shft A}	197
VERIFY	V{shft E}	149
WAIT	W{shft A}	146

VIC-20

Screen/Border 36879, (screen times 16 + border + 8). Text 646 (note:text and border colors 0-8 only).

Sound



C-64 Sound

Range

SI = 54265

[SID chip start]

V = voice number

1-3

Volume: POKE 54296,X

0-15

Notes:

Hi POKE SI + V*7 + 1,X 1-255

Low POKE SI + V*7,X 1-255

Wave:

POKE SI + V*7 + 4,X 1-255

X = 17 triangle X = 65 pulse

X = 33 sawtooth X = 129 noise

Amplitude: (for pulse wave)

Hi POKE SI + V*7 + 3,X 0-255

Low POKE SI + V*7 + 2,X 0-15

Attack/Decay:

A = 0-15

POKE SI + V*7 + 5,(A*16 + D) D = 0-15

Sustain/Release:

S = 0-15

POKE SI + V*7 + 6,(S*16 + R) R = 0-15

VIC-20 Sound

SI = 36873

[sound start]

V = voice number

1-4

Volume: POKE 36878,X

0-15

Notes: POKE SI + V,X

128-255



SOURCE

For Home Computing

ASCII Codes



COMMAND	ASCII	SCREEN
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A	65	1
B	66	2
C	67	3
D	68	4
E	69	5
F	70	6
G	71	7
H	72	8
I	73	9
J	74	10
K	75	11
L	76	12
M	77	13
N	78	14
O	79	15
P	80	16
Q	81	17
R	82	18
S	83	19
T	84	20
U	85	21
V	86	22
W	87	23
X	88	24
Y	89	25
Z	90	26
{	91	27
}	92	28
~	93	29
↑	94	30
←	95	31
space	32	32
!	33	33

COMMAND	ASCII	SCREEN
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Crsr Dn	none	17
Crsr Up	"	145
Crsr Rt	"	29
Crsr Lf	"	157
Home	"	19
Clear	"	147
Delete	"	20
Insert	"	148
Rvs On	"	18
Rvs Off	"	146
Return	"	13
Shft Ret	"	141
Space	"	32
Shft Spc	"	160
Up/Low	"	14
Up/Graph	"	142
Stop	"	3
Lock	"	8
Unlock	"	9
Funct 1	"	133
Funct 2	"	134
Funct 3	"	135
Funct 4	"	136
Funct 5	"	137
Funct 6	"	138
Funct 7	"	139
Funct 8	"	140

Sprites

S = 12288
V = 53248

[Data start]
[VIC II start]

Disk Commands

Format a New Diskette:

OPEN 15,8,15
PRINT#15,"N0:name,id"
CLOSE 15

Initialize:

OPEN 15,8,15
PRINT#15,"I"
CLOSE15

Validate:

OPEN 15,8,15
PRINT#15,"V"
CLOSE15

Save a Program:

SAVE"name",8

Save with Replace:

SAVE"@0:name",8

Load Basic Program:

LOAD"name",8

Load Machine Lang.
Program:

LOAD"name",8,1

List the Directory:

LOAD"\$",8
LIST

Scratch a Program:

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\$
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&
'
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62
63
64

N = sprite number [0-7]

Set pointer:
POKE 2040 + N,S/64 + N

Turn On:
POKE V + 21,PEEK(V + 21)
OR (21N)

Turn Off:
POKE V + 21,PEEK(V + 21)
AND (255 - 21N)

Set Color: [0-15]
POKE V + 39 + N,C

Position
Y axis: [0-255]
POKE V + (N*2 + 1),Y

X axis < 255: [0-255]
POKE V + (N*2),X

X axis > 255: [256-511]
POKE V + 16, (21N):
POKE V + (N*2),X-255

OPEN15,8,15
PRINT#15,"S0:name"
CLOSE15

Rename a Program:
OPEN 15,8,15
PRINT#15,"R0:
newname = oldname"
CLOSE15

Copy a Program:
OPEN 15,8,15
PRINT#15,"C0:
newname = 0:oldname"
CLOSE15

Read Error Channel:
10 OPEN15,8,15:
INPUT#15,A,B\$,
C,D:PRINTA,B\$,
C,D:CLOSE15
RUN

